000270 96568460

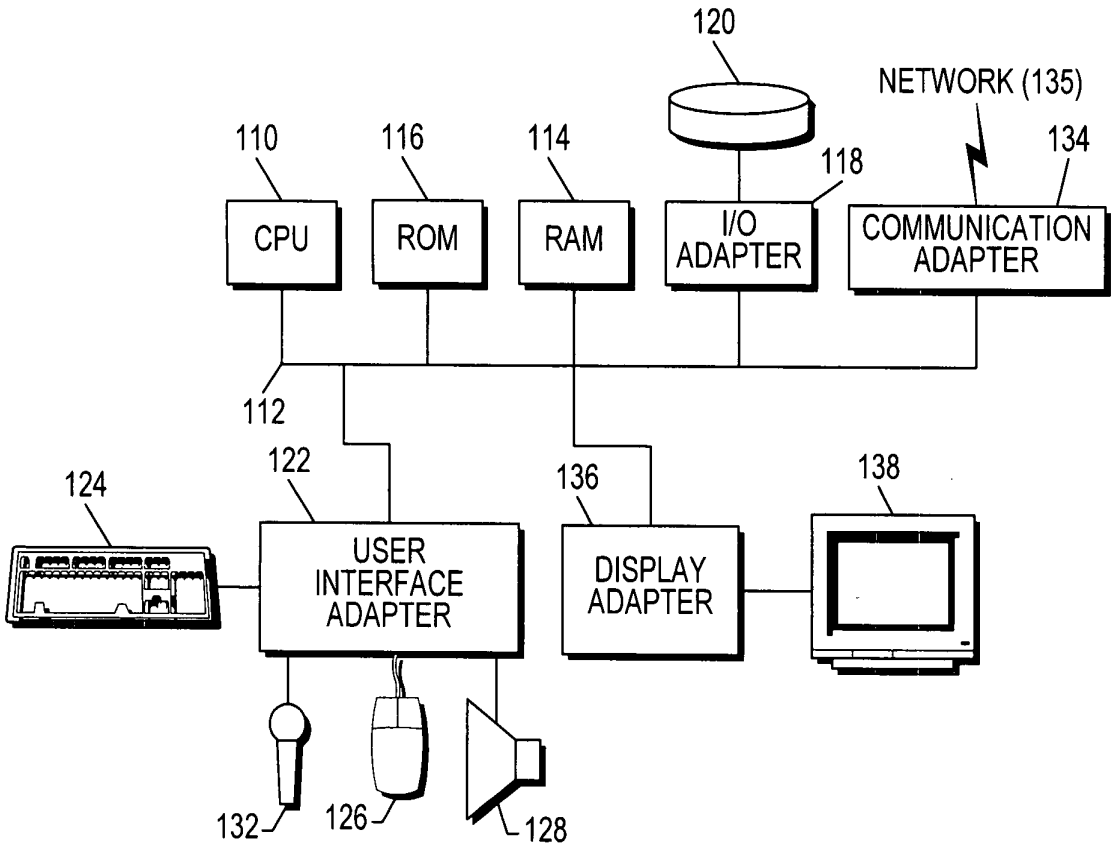

Figure 1

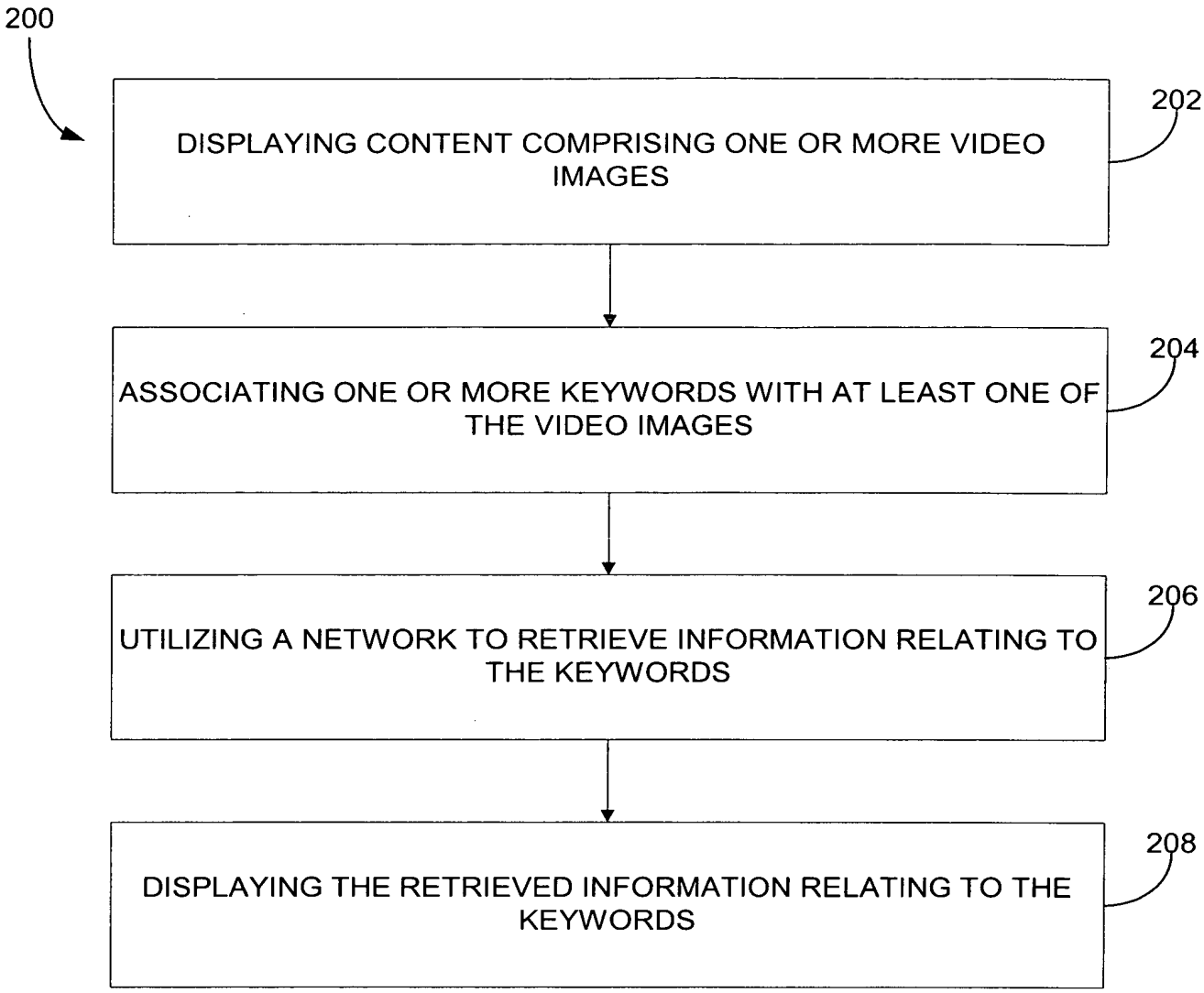

Figure 2

09456556 "01200

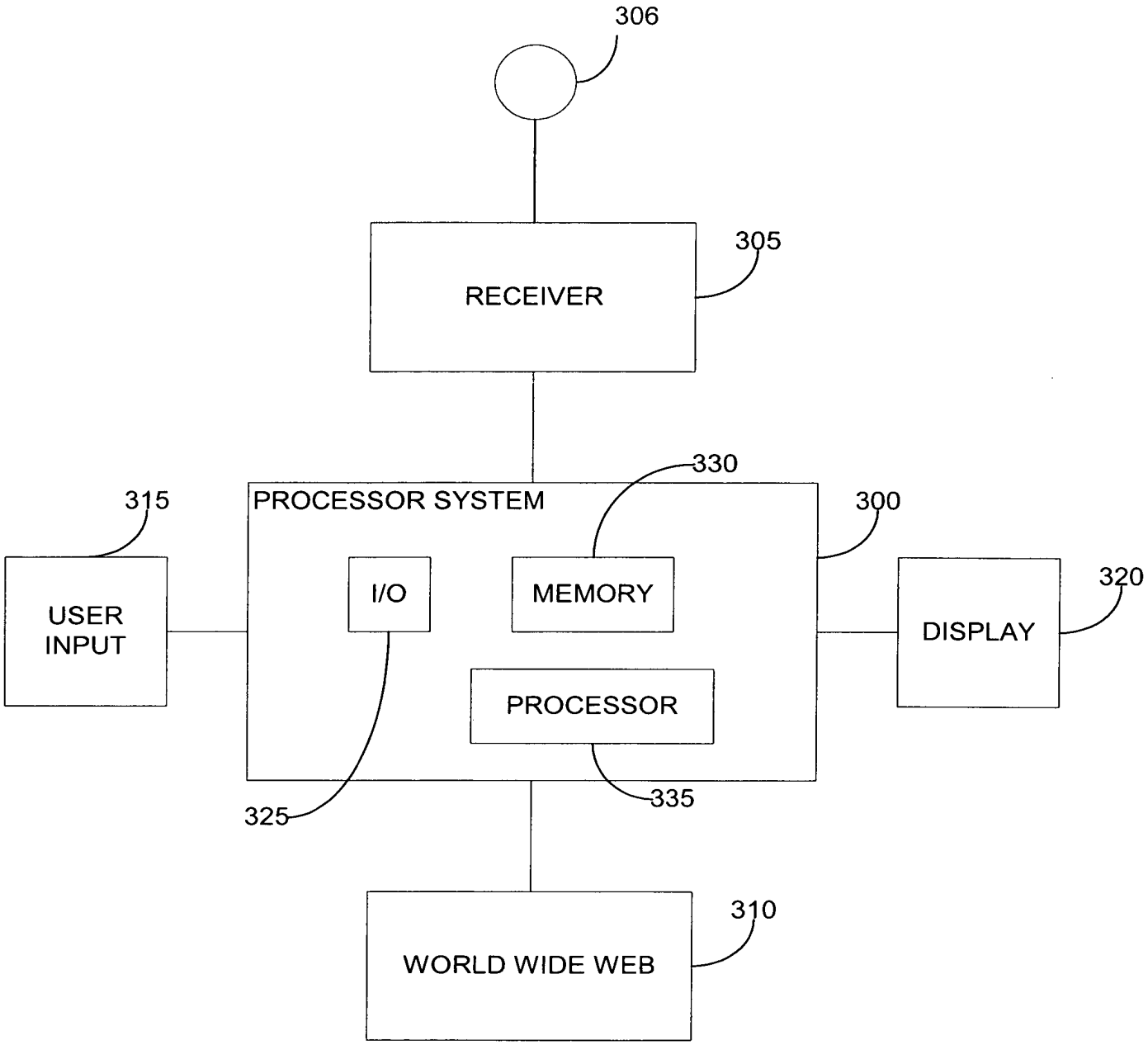
306
RECEIVER
305
330
315
PROCESSOR SYSTEM
300
USER INPUT
I/O
MEMORY
320
DISPLAY
PROCESSOR
335
325
310
WORLD WIDE WEB

Figure 3

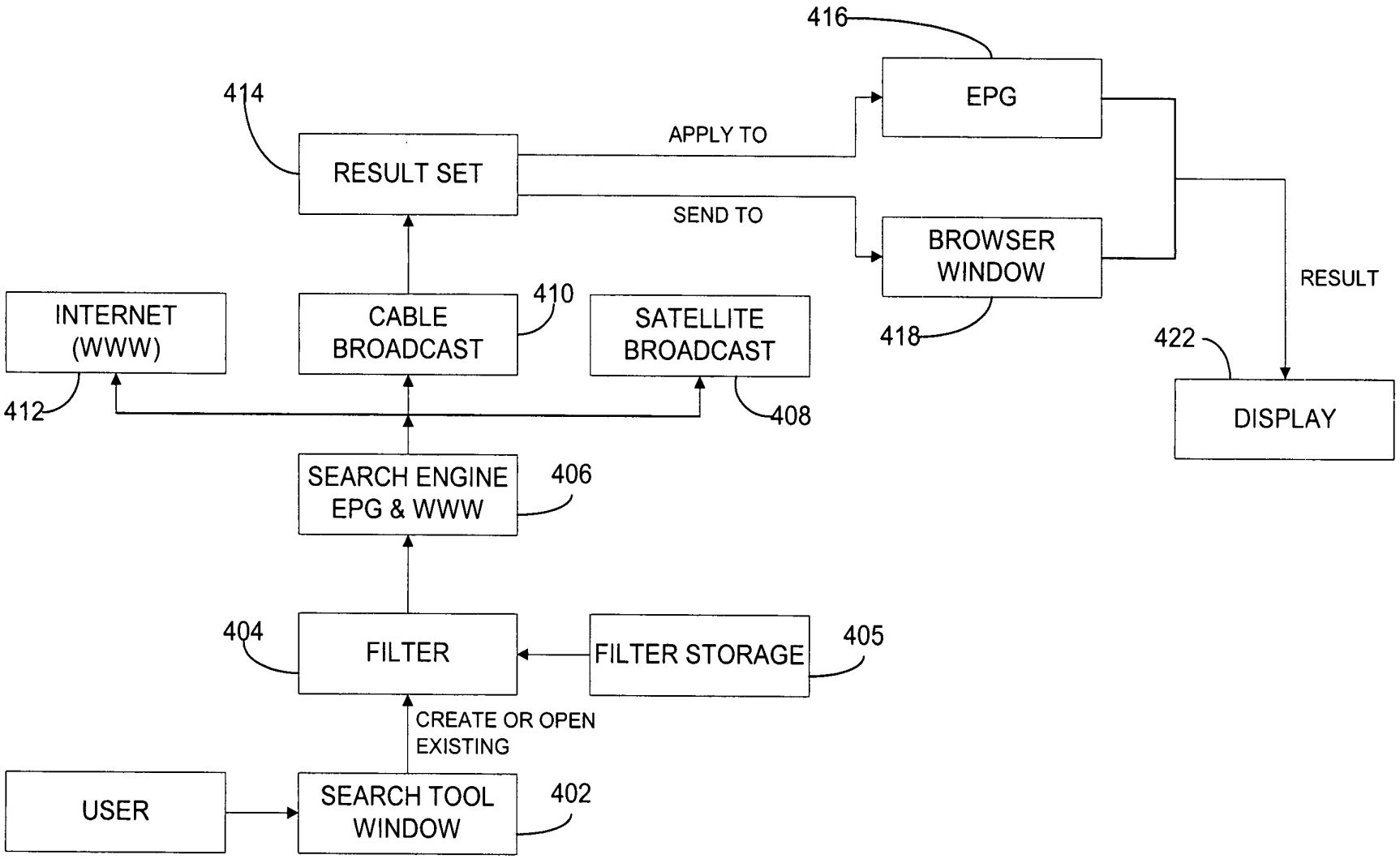
416
EPG
414
APPLY TO
RESULT SET
SEND TO
BROWSER WINDOW
RESULT
INTERNET (WWW)
CABLE BROADCAST
410
SATELLITE BROADCAST
418
422
412
408
DISPLAY
SEARCH ENGINE EPG & WWW
406
404
FILTER
FILTER STORAGE
405
CREATE OR OPEN EXISTING
USER
SEARCH TOOL WINDOW
402

Figure 4

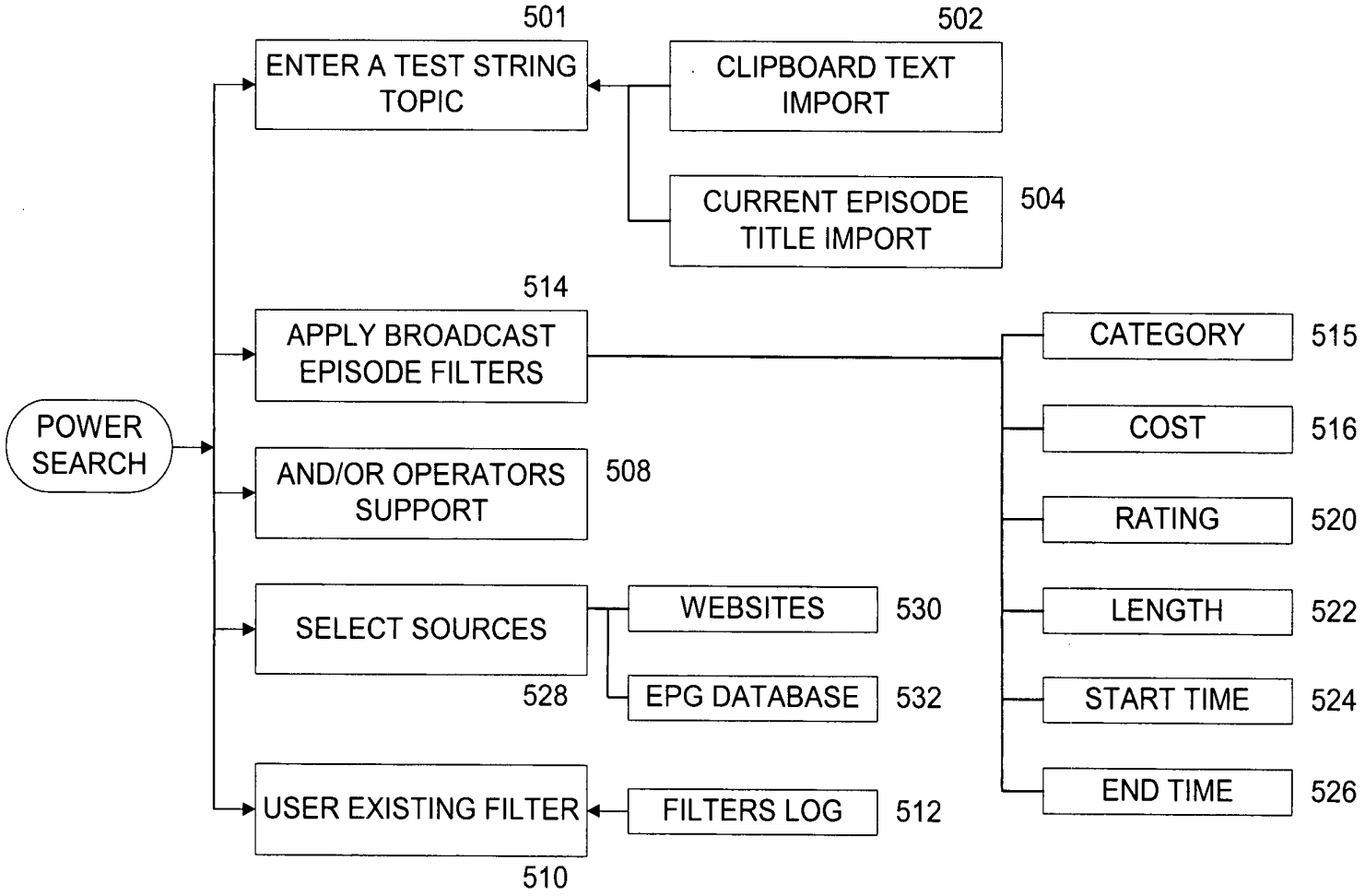
501
ENTER A TEST STRING TOPIC
502
CLIPBOARD TEXT IMPORT
CURRENT EPISODE TITLE IMPORT
504
514
APPLY BROADCAST EPISODE FILTERS
CATEGORY
515
COST
516
RATING
520
LENGTH
522
START TIME
524
END TIME
526
POWER SEARCH
AND/OR OPERATORS SUPPORT
508
SELECT SOURCES
528
WEBSITES
530
EPG DATABASE
532
USER EXISTING FILTER
510
FILTERS LOG
512

Figure 5

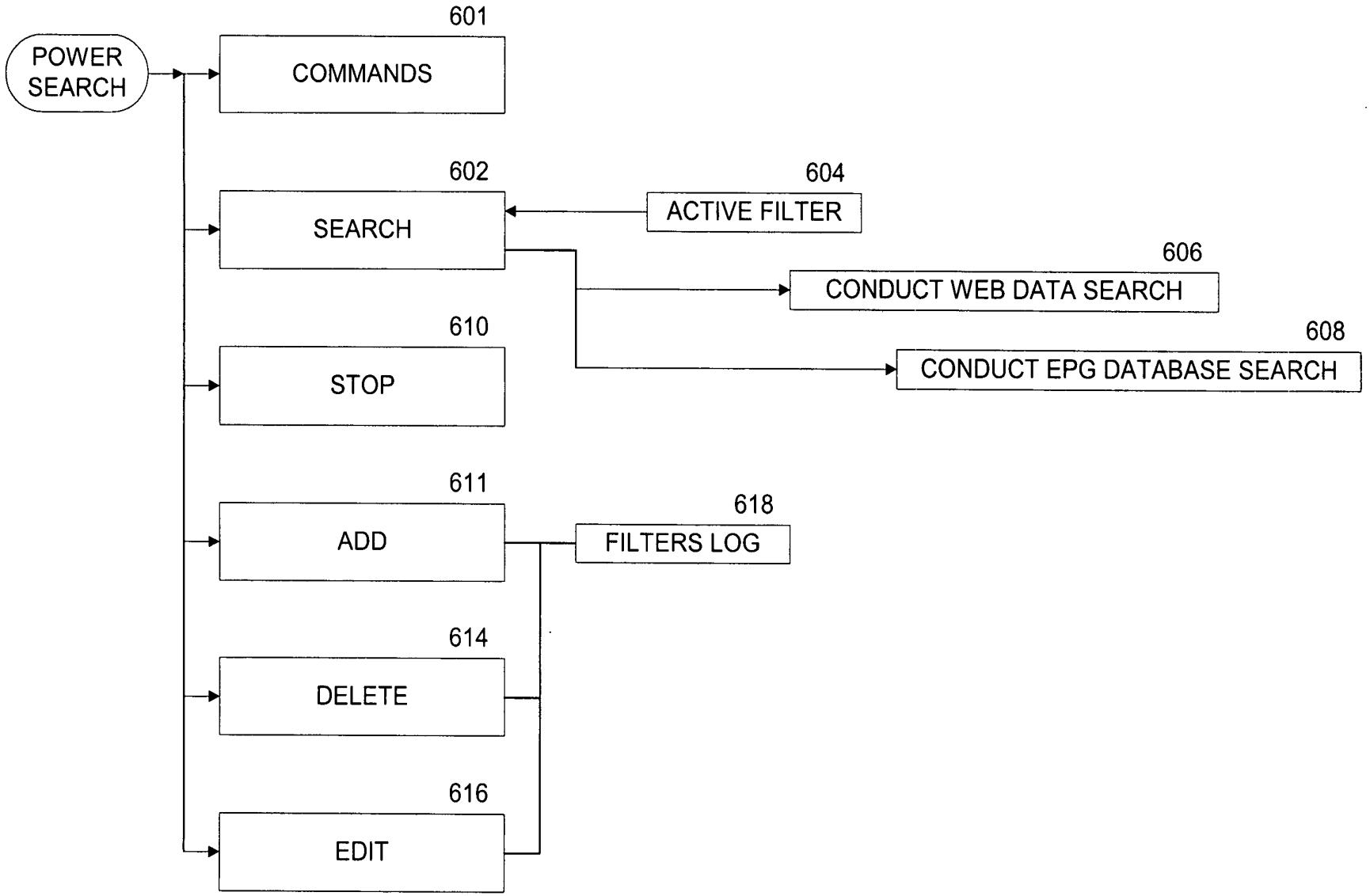
POWER SEARCH
601
COMMANDS
602
SEARCH
604
ACTIVE FILTER
606
CONDUCT WEB DATA SEARCH
608
CONDUCT EPG DATABASE SEARCH
610
STOP
611
ADD
618
FILTERS LOG
614
DELETE
616
EDIT

Figure 6

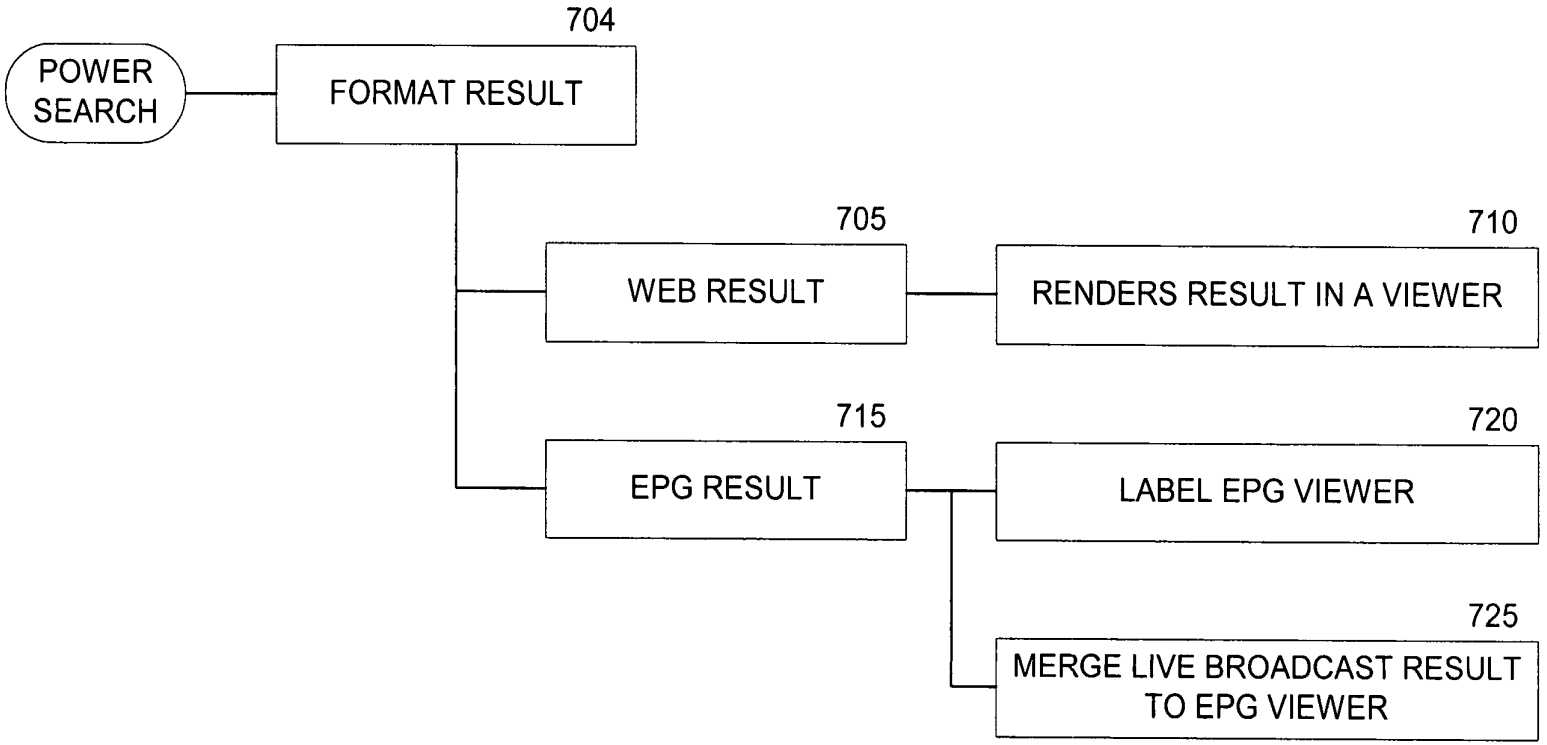
704
POWER SEARCH
FORMAT RESULT
705
WEB RESULT
710
RENDERS RESULT IN A VIEWER
715
EPG RESULT
720
LABEL EPG VIEWER
725
MERGE LIVE BROADCAST RESULT TO EPG VIEWER

Figure 7

(I) RANKING	(II) TITLE	(III) WORDS FOUND	
*******	RING N' ROUTE - LINE SHARING DEVICES	MODEM	(b)
******	APPLE DIRECTIONS EXPRESS ARCHIVE	EXPRESS	(c)
*****	APPLE DIRECTIONS - GEOPORT	MODEM, EXPRESS	
****	APPLE DIRECTIONS EXPRESS	EXPRESS	
***	APPLE DEVELOPER SERVICES FTP INDEX: ENTRY E-1	MODEM, EXPRESS	
**	APPLE DIRECTIONS - APPLE DIRECTIONS EXPRESS	EXPRESS	
*	< NO TITLE >	MODEM	
*	APPLE DIRECTIONS - MACINTOSH USE PROFILE S	MODEM	
*	ABOUT TECHNICAL DOCUMENTATION	MODEM, EXPRESS	
*	DEVELOPER UNIVERSITY REGISTRATION FORM	EXPRESS	

(a)

Figure 8

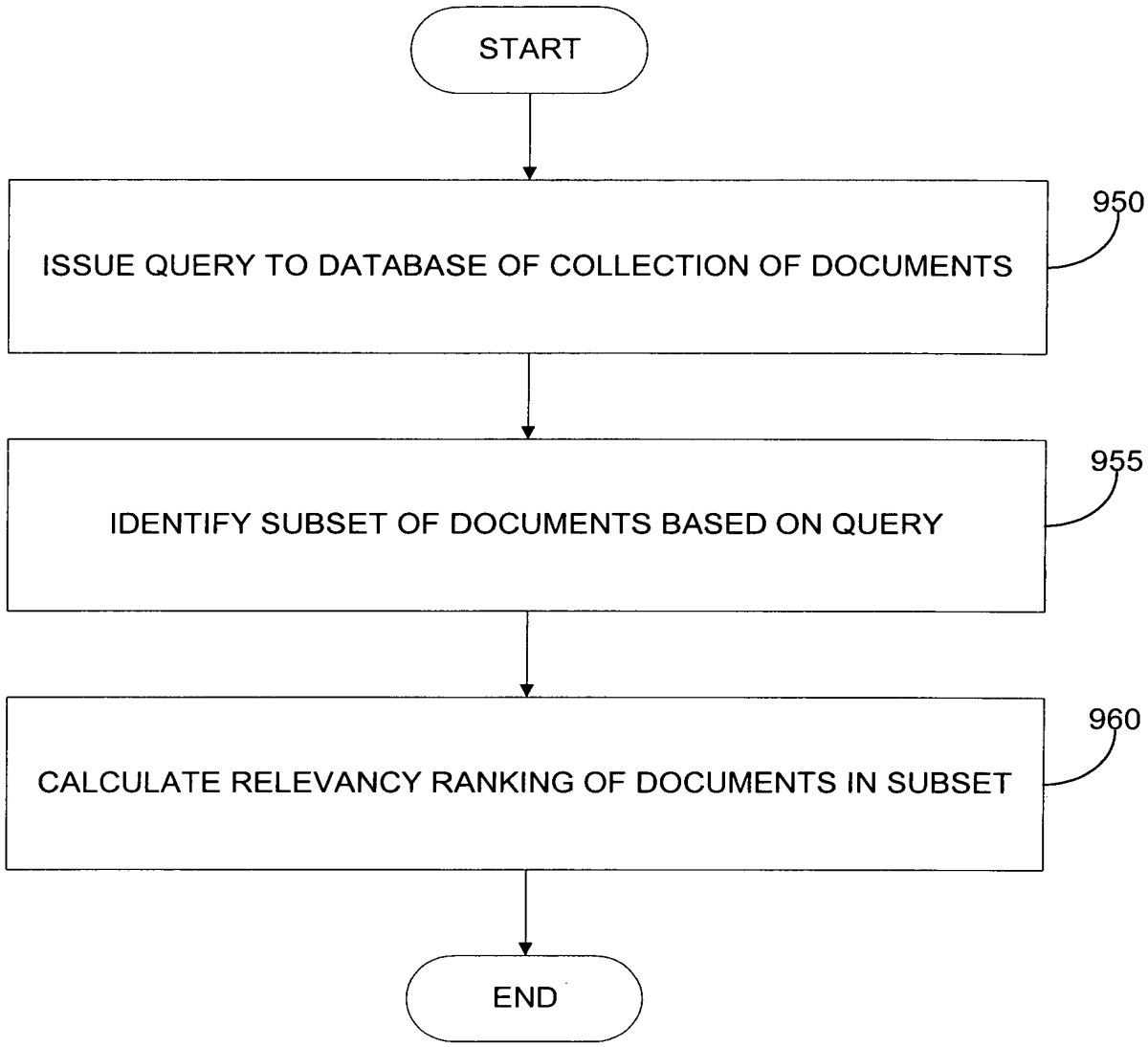
START
ISSUE QUERY TO DATABASE OF COLLECTION OF DOCUMENTS
950
IDENTIFY SUBSET OF DOCUMENTS BASED ON QUERY
955
CALCULATE RELEVANCY RANKING OF DOCUMENTS IN SUBSET
960
END

Figure 9

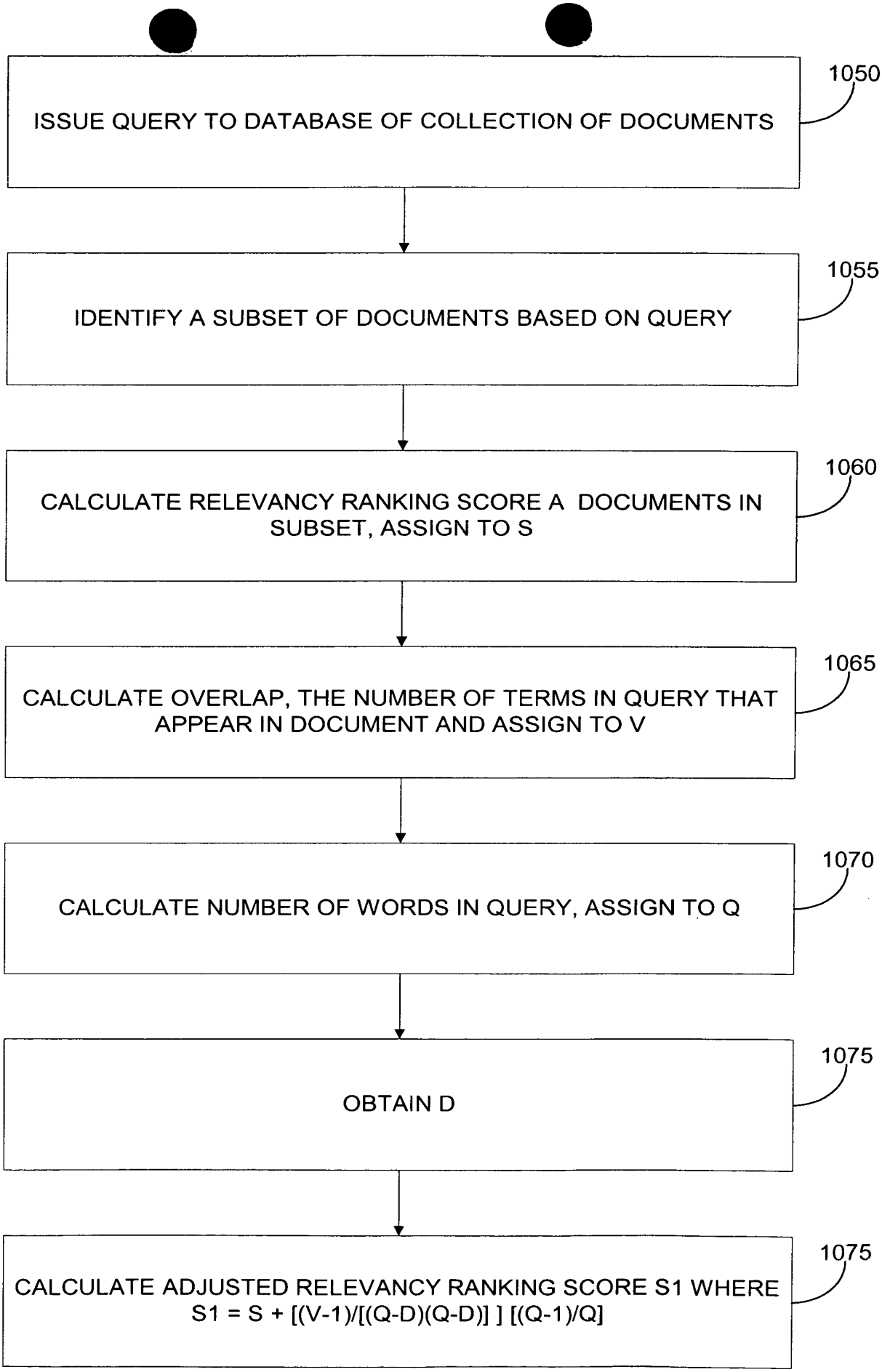
ISSUE QUERY TO DATABASE OF COLLECTION OF DOCUMENTS
1050
IDENTIFY A SUBSET OF DOCUMENTS BASED ON QUERY
1055
CALCULATE RELEVANCY RANKING SCORE A DOCUMENTS IN SUBSET, ASSIGN TO S
1060
CALCULATE OVERLAP, THE NUMBER OF TERMS IN QUERY THAT APPEAR IN DOCUMENT AND ASSIGN TO V
1065
CALCULATE NUMBER OF WORDS IN QUERY, ASSIGN TO Q
1070
OBTAIN D
1075
CALCULATE ADJUSTED RELEVANCY RANKING SCORE S1 WHERE S1 = S + [(V-1)/[(Q-D)(Q-D)]] [(Q-1)/Q]
1075

Figure 10

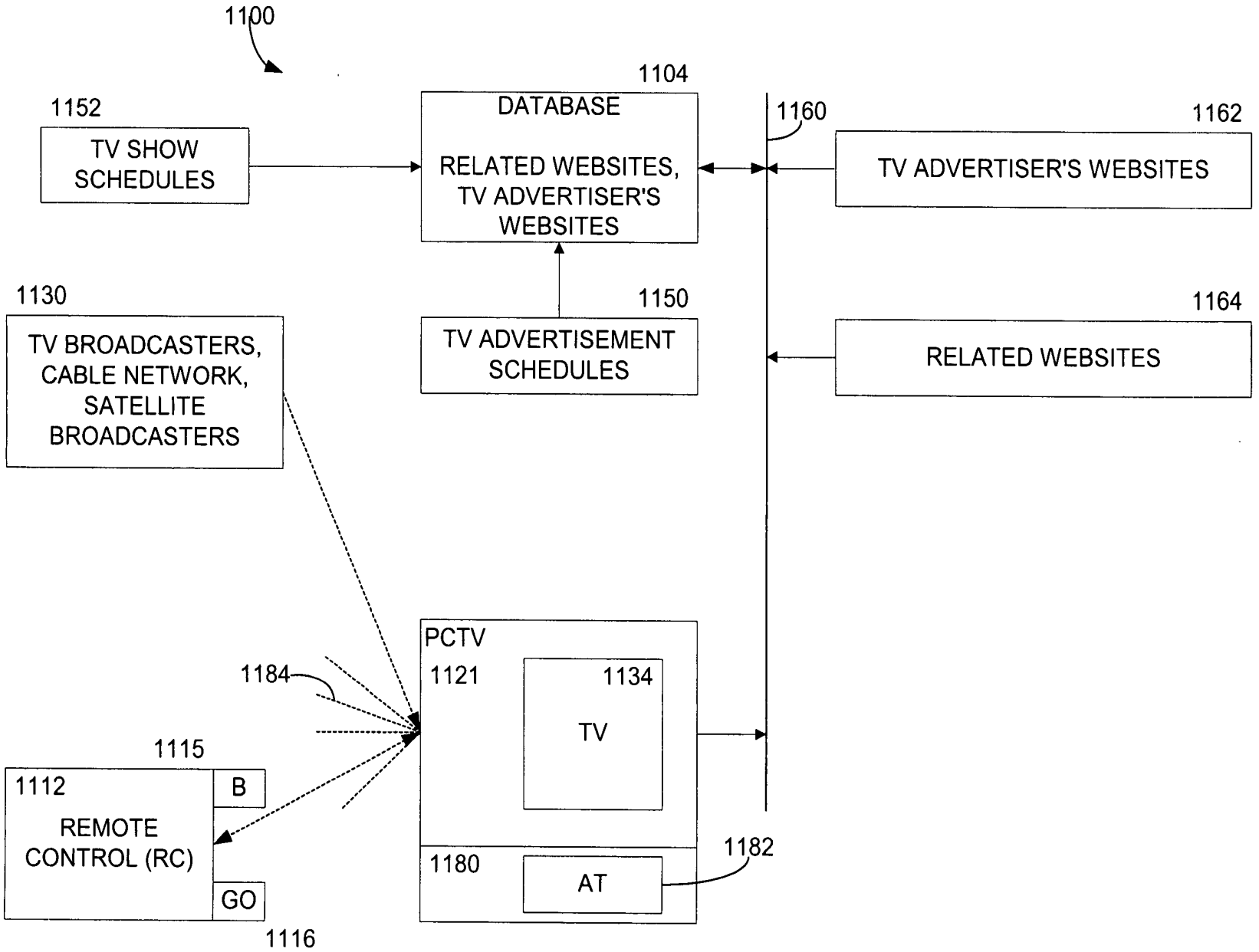
1100
1104
DATABASE
RELATED WEBSITES, TV ADVERTISER'S WEBSITES
1152
TV SHOW SCHEDULES
1160
1162
TV ADVERTISER'S WEBSITES
1130
TV BROADCASTERS, CABLE NETWORK, SATELLITE BROADCASTERS
1150
TV ADVERTISEMENT SCHEDULES
1164
RELATED WEBSITES
PCTV
1121
1134
TV
1184
1115
1112
REMOTE CONTROL (RC)
B
GO
1116
1180
AT
1182

Figure 11

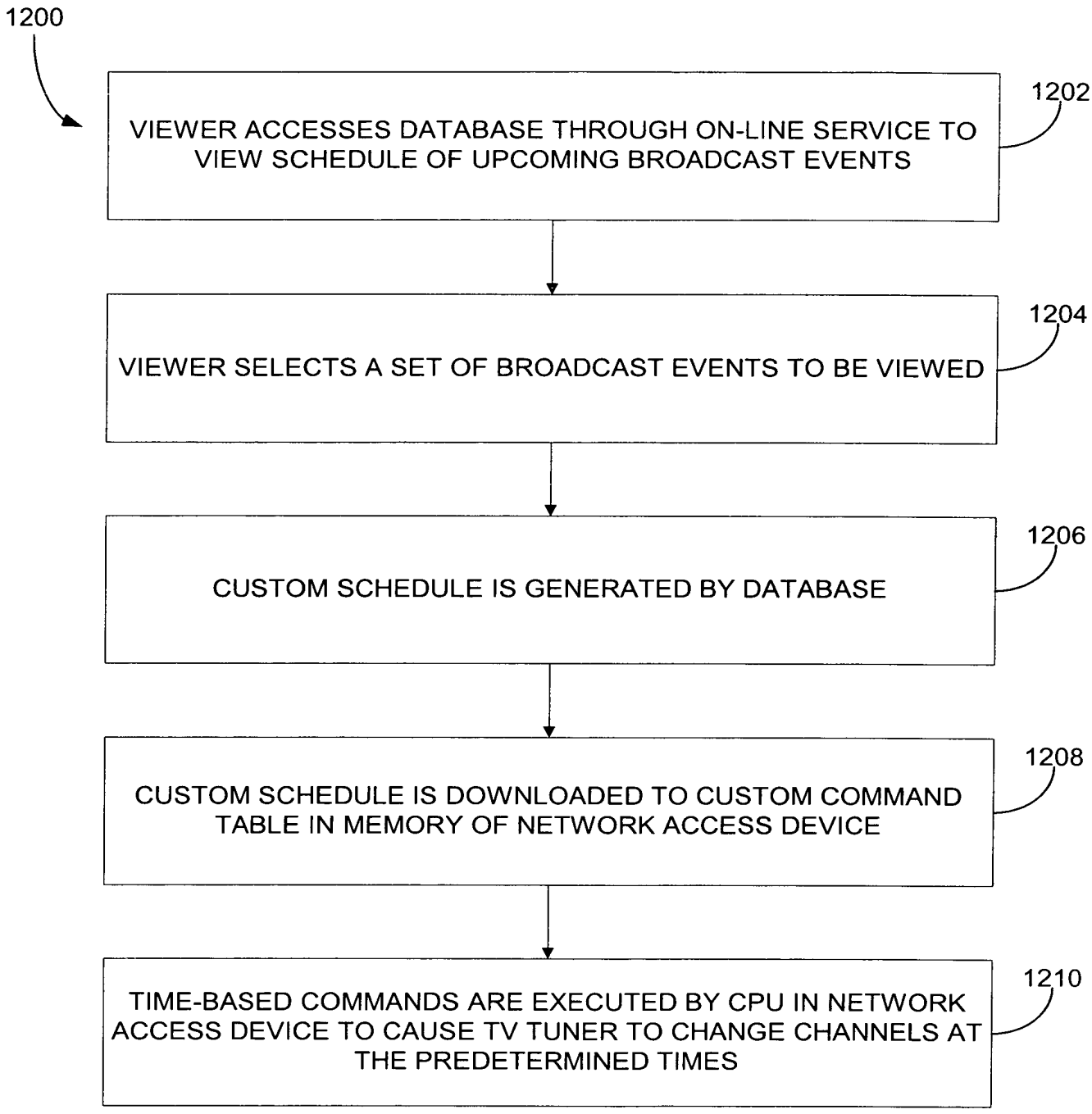
1200
VIEWER ACCESSES DATABASE THROUGH ON-LINE SERVICE TO VIEW SCHEDULE OF UPCOMING BROADCAST EVENTS
1202
VIEWER SELECTS A SET OF BROADCAST EVENTS TO BE VIEWED
1204
CUSTOM SCHEDULE IS GENERATED BY DATABASE
1206
CUSTOM SCHEDULE IS DOWNLOADED TO CUSTOM COMMAND TABLE IN MEMORY OF NETWORK ACCESS DEVICE
1208
TIME-BASED COMMANDS ARE EXECUTED BY CPU IN NETWORK ACCESS DEVICE TO CAUSE TV TUNER TO CHANGE CHANNELS AT THE PREDETERMINED TIMES
1210

Figure 12

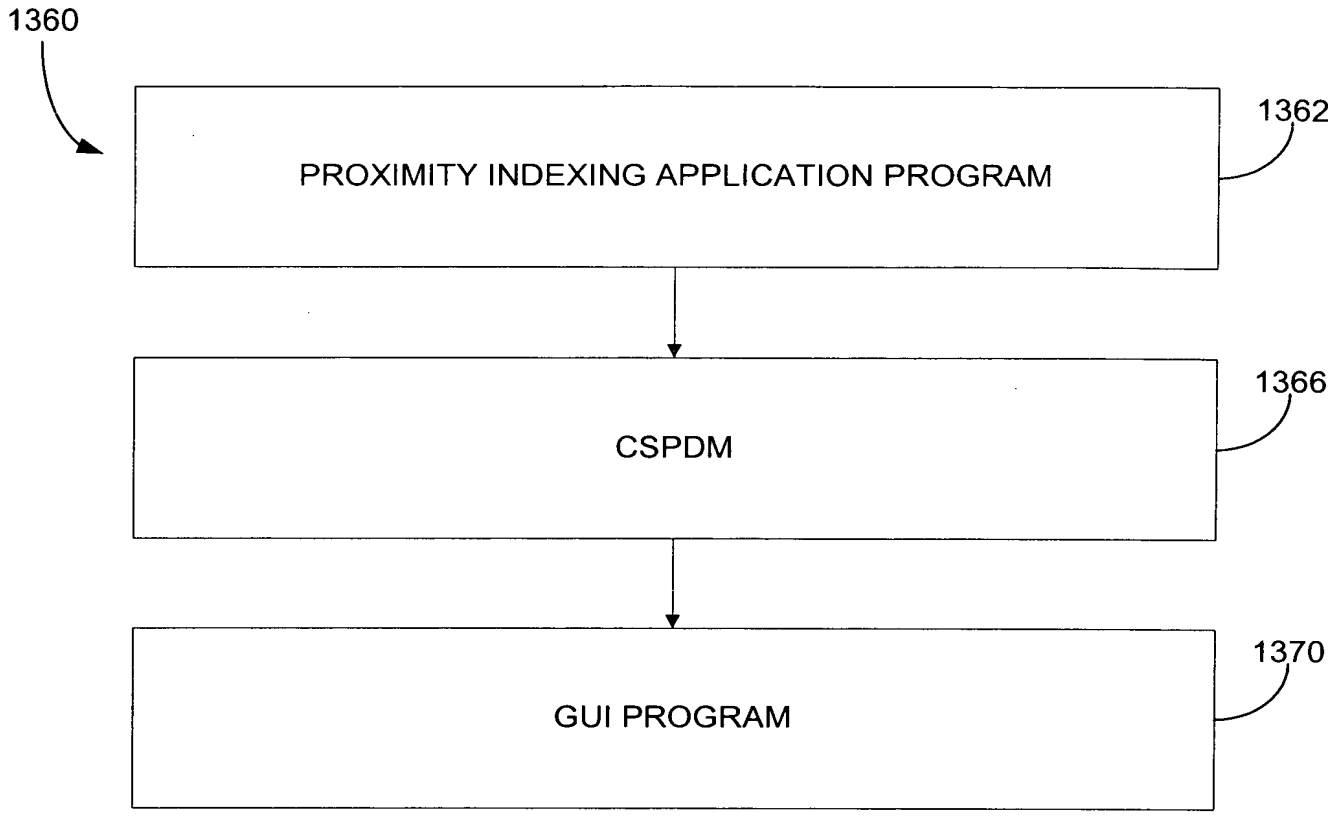

Figure 13

09455965 "0120000

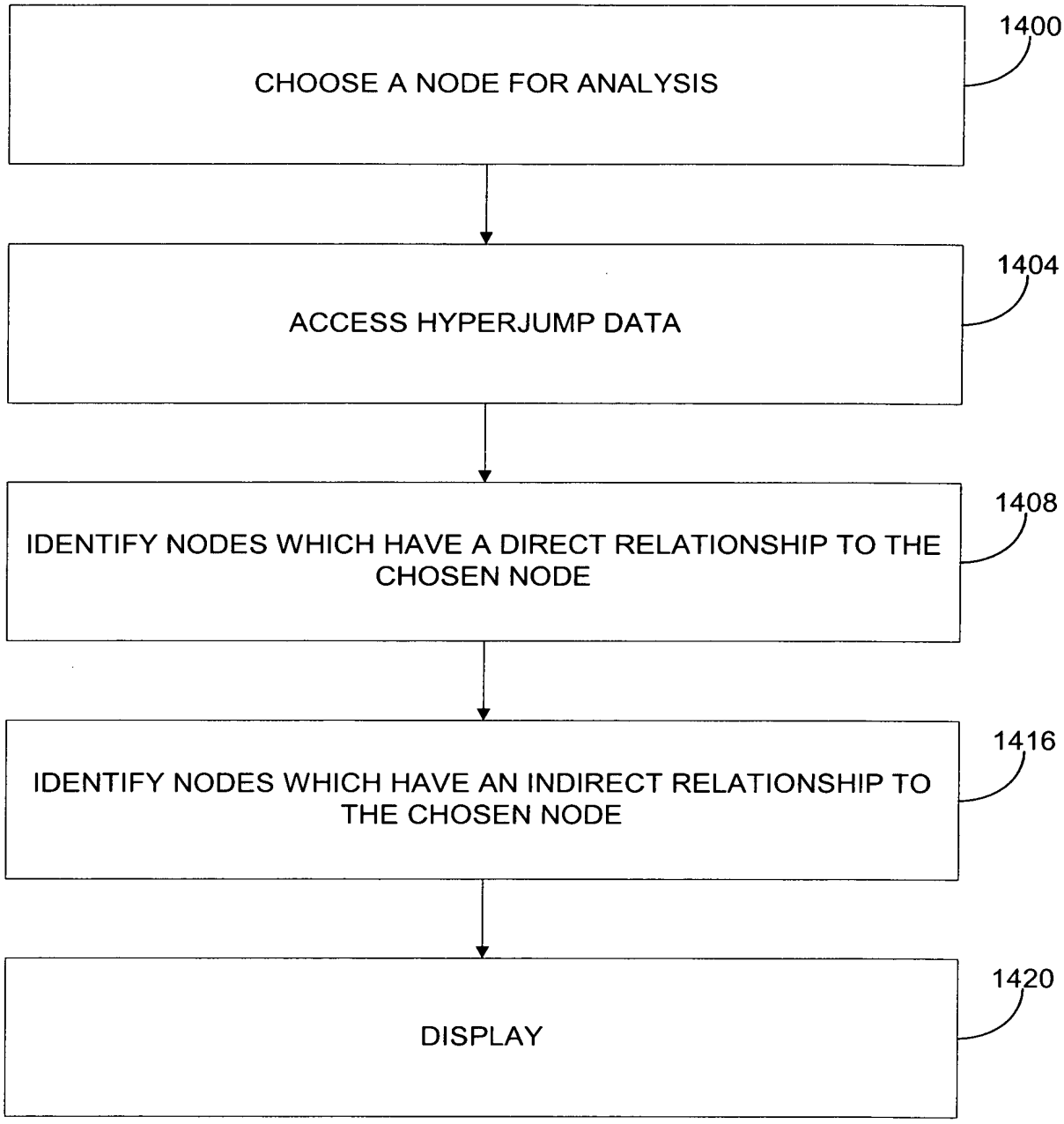
CHOOSE A NODE FOR ANALYSIS
1400
ACCESS HYPERJUMP DATA
1404
IDENTIFY NODES WHICH HAVE A DIRECT RELATIONSHIP TO THE CHOSEN NODE
1408
IDENTIFY NODES WHICH HAVE AN INDIRECT RELATIONSHIP TO THE CHOSEN NODE
1416
DISPLAY
1420

Figure 14

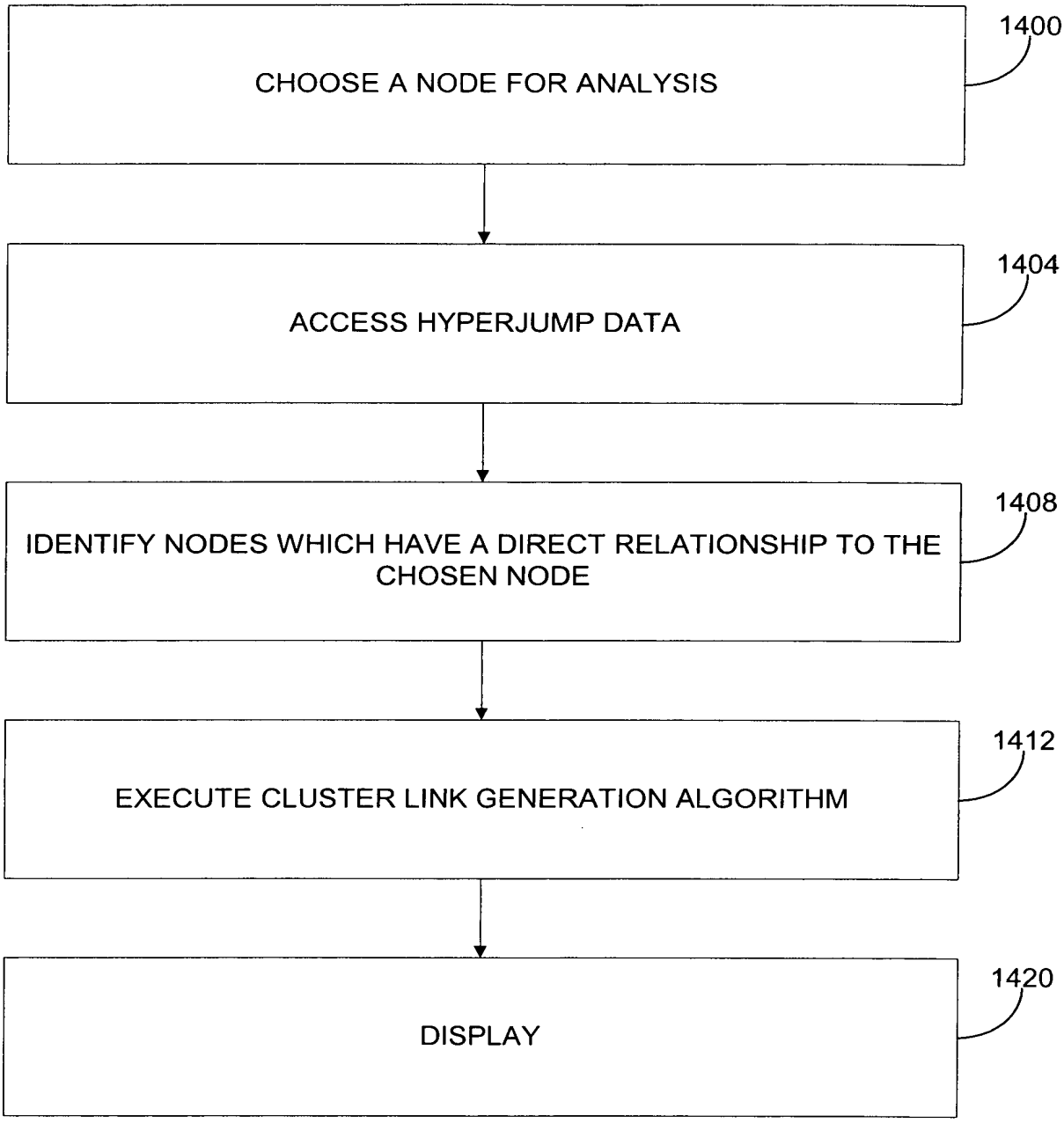
CHOOSE A NODE FOR ANALYSIS
1400
ACCESS HYPERJUMP DATA
1404
IDENTIFY NODES WHICH HAVE A DIRECT RELATIONSHIP TO THE CHOSEN NODE
1408
EXECUTE CLUSTER LINK GENERATION ALGORITHM
1412
DISPLAY
1420

Figure 15